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(54) Polyacrylamide gel for medi-  
cal and biological application and  
method of its preparation

(57) A polyacrylamide gel for medi-  
cal and biological application con-  
tains polyacrylamide and physiolog-  
ical solution with the following ratio  
of components (in % by weight):

polyacrylamide	3.0-28.0
physiological solution	72.0-97.0

The method of preparation of the  
said polyacrylamide gel comprises  
polymerization of acrylamide to-  
gether with methylene-bis-acrylam-  
ide and elution of the final product,  
both polymerization and elution be-

ing carried out in the medium of  
the physiological solution. The poly-  
acrylamide gel can be used as a  
base of nutrient mediums for grow-  
ing microorganisms, artificial crys-  
talline lenses and elastic contact  
lenses.

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